PTO/SB/05 (01-04)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

Under the Paperwork Reduction Act of 1995, no persons are required to re

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Attorney Docket No.	110348-135996	တွ
First Inventor	Mark S. Isenberger)
Title	MEMORY CIRCUIT WITH SPACERS BETWEEN FERROELECTRIC LAYER AND ELECTRODES	390
Express Mail Label No.	EV370161881US	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450		
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages_ 18] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets9] 5. Oath or Declaration [Total Sheets9] Newly executed (original or copy)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS		
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 13. Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35		
	17. U Other:		
18. If a CONTINUING APPLICATION, check appropriate box, and suppose the following the title of the continuing the co	oly the requisite information below and in the first sentence of the		
specification following the title, or in an Application Data Sheet under 3	CFR 1.76:		
Continuation Divisional Continual	ion-in-part (CIP) of prior application No.:		
Prior application information: Examiner	Art Unit:		
For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the 5b, is considered a part of the disclosure of the accompanying continuation The incorporation can only be relied upon when a portion has been inadvert	prior application, from which an oath or declaration is supplied under Box		
19. CORRESPOND	DENCE ADDRESS		
Customer Number: 0025943	OR Correspondence address below		
Name			
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Name (Print/Type) James Namiki	Registration No. (Attorney/Agent) 51 148		
Signature Signature	0 1,110		
This collection of information is assured by 37 CFR 4.52(b). The information is	Date 03/19/2004		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 9	900.00
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Complete if Known		
Application Number	Not Yet Assigned	
Filing Date	03/19/2004	· · · · · · · ·
First Named Inventor	Mark S. Isenberger	
Examiner Name	Not Yet Assigned	
Art Unit	Not Yet Assigned	
Attorney Docket No.	110348-135996	

Deposit Account Schwabe, Williamson et al Schwabe, W	METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)			
Papeosit Account:		3. ADDITIONAL FEES	•		
Deposit Account Number Deposit Account Name Schwabe, Williamson et al 1051 130 2051 65 Surcharge - late flinig fee or oath 1052 50 2052 25 Surcharge - late flinig fee or oath 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flinig fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee or oxer sheet 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee 1052 50 2002 255 Surcharge - late flining fee 1052 50 2052 25 Surcharge - late flining fee		Large Entity Small Entity			
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Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1812 2,520 1812 2,520 For filing a request for ex parte reexamination			
Total Claims	Charge any additional fee(s) or any underpayment of fee(s)				
1. BASIC FILING FEE Large Entity Small Entity Fee					
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Large Entity Small Entity Fee		1252 420 2252 210 Extension for reply within second month			
Code (\$)	Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month			
1001 770 2001 385		1254 1,480 2254 740 Extension for reply within fourth month			
1002 340 2002 170 Design filing fee 1401 330 2401 165 Notice of Appeal 1402 330 2402 165 Filing a brief in support of an appeal 1402 330 2402 165 Filing a brief in support of an appeal 1403 320 2403 145 Request for oral hearing 1405 1,510 1451 1,510	1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month			
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	**or number previously paid, if greater, For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00			

SUBMITTED BY			(Complet	e (if applicable))
Name (Print/Type)	James Namiki	Registration No. 51,148	Telephor	ne 503-222-9981 .
Signature	2/4/2		Date	03/19/2004

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